

AMENDMENTS TO THE CLAIMS

Claims 1 to 39 (Canceled).

40 (Currently Amended). A method for sealing a vascular puncture site comprising the steps of

mixing a first component, a second component, and a buffer material, the first component including an electrophilic polymer material comprising poly(ethylene glycol) having a molecular weight between 9000 and 12,000 and having a functionality of at least three, the second component including a nucleophilic material comprising human serum albumin at a concentration of about 25% or less that, when mixed with the first component within a reaction pH range of between 7 to 9, cross-links with the first component to form a non-liquid, three-dimensional barrier, and the buffer material including tris-hydroxymethylaminomethane having a pH within the reaction pH range, and applying the mixture to seal a vascular puncture site.

Claim 41 (Canceled).

42 (Currently Amended). A method according to claim ~~41~~ 40 wherein the poly(ethylene glycol) has a molecular weight of $10,500 \pm 1500$.

Claims 43 and 44 (Canceled).

45 (Currently Amended). A method according to claim ~~44~~ 40 wherein the buffer material includes sodium carbonate anhydrous.

46 (Original). A method according to claim 45 wherein the second component, when mixed with the buffer material, has a pH of between 8.3 and 8.5 prior to mixing with the first component.